

Andrew Winterman

CONTACT INFORMATION	3811 SE Ellis, Portland, OR 97202	mobile: (714) 362-6823 e-mail: andywinterman@gmail.com
EDUCATION	Reed College: B.A. in Mathematics; Thesis in statistics. Deutsche Sommerschule am Pazifik: Language Immersion (German) Universidad Belgrano: Language Immersion (Spanish)	Aug 2006 - Dec 2010 Summer 2009 Summer 2006
SCIENTIFIC EMPLOYMENT	Research Experience for Undergraduates at Reed College Repaired and improved available statistical tools for cDNA microarray analysis. Worked with a team of undergraduates under Professors Susan Renn and Albyn Jones, developed statistical test of equivalence for use with microarray data. Researcher at University of Puerto Rico, Rio Piedras, Spectrum Laboratories Executed a complicated scientific procedure to exacting standards. Coauthored N. M. Murari, R. Thomas, A. Winterman, R. E. Melgarejo, S. P. Pavunny, and R. S. Katiyar. "Structural, electrical, and magnetic properties of chemical solution deposited Bi(Fe _{0.95} Cr _{0.05})O ₃ thin films on platinized silicon substrates," J. Appl Physics 105, 084110 (2009). Westfälische Wilhelms-Universität Münster and the German Academic Exchange Service (DAAD) Operated a tomographic atom probe, transmission electron microscope, and a field ion microscope. Executed delicate scientific procedure designed to test the effect of extreme temperatures on the rate of diffusion of nano-materials.	Intern Summer 2010 Intern Fall 2008 Intern Summer 2008
STUDENT ORGANIZATIONS	Outdoor Odyssey Orientation Trip Lead four day backpack in Mt. Adams wilderness area for incoming Reed College freshmen. Responsibilities include group safety, organizing meals, clean water, tending group moral. Jump Rope Club Student Health: Installed jump ropes in lobby of Reed College library to combat stress culture, encourage students to exercise as a study break.	Student Leader Summer 2010 Organizer Spring 2009
LANGUAGE & CONSTRUCTION EMPLOYMENT	VOZ Workers' Rights Education Project Taught English to Latin American adult day laborers while they waited for employment. Ayuda Directa Constructed "dust free" building in remote Andean village to properly house government issued computers. Tutored more advanced Quechua students in English vocabulary and grammar.	Volunteer Fall 2009 Volunteer Summer 2007
COMPUTER SKILLS	R: A language and environment for statistical computing, L ^A T _E X 2 _ε , Java.	
LANGUAGES	English (Fluent) Spanish (Advanced) German (Intermediate)	

INTERESTS Ultimate Frisbee (member of college team, 2006 - 2010)
Cooking, Tango & Jazz, Commuting by bike
Traveling, Piano & Percussion

REFERENCES **Professor Albyn Jones**
Professor of Statistics
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Professor Suzy Renn
Assistant Professor
Reed College
Portland OR
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e-mail: renns@reed.edu